MATERIAL SAFETY DATA SHEET: LEXITE NF AEROSOL

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PORSF
11.3,18.1 V9

DATE OF ISSUE 8/21/2001

SUPERSEDES 8/10/2001

SECTION I - GENERAL INFORMATION

r··al Name & Synonyms

Trade Name & Synonyms
LEXITE NF AEROSOL

:m..cal Family:
LOROFLUOROCARBON

Formula Mixture --> X

:nufacturer's Name:
EMSEARCH DIV. OF NCH CORP.

:dress:
< 152170
/ING, TX 75015

:pared By:	Product Code Number	Emergency Phone Number
)ickinson/Chemist	5697	800-424-9300

SECTION II - HAZARDOUS INGREDIENTS
THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

:mical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
CHLOROFLUOROETHANE	IRRITANT	NOT EST. 1	NOT EST. 2	NOT EST.	1717-00-6
RBON DIOXIDE	ASPHYXIANT	5000PPM 1	5000PPM 2	30000PPM 1	124-38-9

SECTION III - PHYSICAL DATA

.ling Point (F):	90	Specific Gravity (H20=1):	1.24
)or Pressure (MM HG):	10	Color:	COLORLESS
)or Density (Air=1):	4	Odor:	CHLORINATED SOLVENT
@ 100% :	N/A	Clarity:	TRANSPARENT
'olatile by Volume:	100	Evaporation Rate (BU A/C=1):	1.2
lubility:	NEGLIGIBLE	Viscosity:	NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

:sh Point	Flammable Limits	LEL	UEL
FLAM / SETAFLASH	DICHLOROFLUOROETHANE	7.6%	17.7%

.inguishing Media
:--Foam X <--Alcohol Foam X <--CO2 X <--Dry Chemical X <--Water Spray <--Other

:cial Fire Fighting Procedures:
EFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF : SURROUNDING FIRE. SPRAY EXPOSED AEROSOL CONTAINERS WITH WATER TO PREVENT BURSTING.

:sual Fire and Explosion Hazards:
ROFLUORIC AND HYDROCHLORIC ACIDS CAN FORM UNDER CONDITIONS OF INTENSE HEAT. PHOSGENE CAN BE FORMED AT TEMPERATURES ABOVE 1000°F. ADDITIONALLY, IF : VAPORS ARE ALLOWED TO COLLECT AT THE CONCENTRATIONS LISTED ABOVE, & EXPOSED TO AN IGNITION SOURCE, AN EXPLOSION COULD POTENTIALLY RESULT.

:osol Level (NFPA 30B): 1

'A 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)
<--Health 1 <--Flammability 0 <--Instability <--Special

SECTION V - HEALTH HAZARD DATA

eshold Limit Value:
0 PPM FOR CARBON DIOXIDE 1.

ects of Overexposure:

-Acute (Short Term Exposure)

: CONTACT: CAUSES IRRITATION SEEN AS REDNESS, STINGING AND TEARING. MAY CAUSE CONJUNCTIVITIS AND FROSTBITE.
N CONTACT: CAUSES IRRITATION SEEN AS ITCHING, REDNESS AND DEFATTING OF THE SKIN. RAPID EVAPORATION OF LIQUID CAN CAUSE FROSTBITE WITH REDNESS, GLING AND PAIN OR NUMBNESS.
ALATION: AT LOW LEVELS OF CONCENTRATION, INITIAL SYMPTOMS MAY INCLUDE DIZZINESS AND LOSS OF CONCENTRATION. AT HIGH LEVELS OF CONCENTRATION, TRAL NERVOUS SYSTEM DEPRESSION (INTOXICATION) AND CARDIAC ARRHYTHMIA MAY OCCUR. PRODUCT VAPORS DISPLACE AIR AND CAN CAUSE ASPHYXIATION, ECIALLY IN CONFINED SPACES.
ESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND DIARRHEA. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, KNESS, STAGGERING GAIT, NAUSEA, BLURRED VISION, EXCITATION AND IN EXTREME CASES COMA OR DEATH.

-Chronic (Long Term Exposure)

NIC EFFECTS: REPEATED OVEREXPOSURE CAN SENSITIZE THE HEART TO EPINEPHRINE WHICH MAY CAUSE CARDIAC ARRHYTHMIA (IRREGULAR HEARTBEAT). THIS DEGREE EXPOSURE IS UNLIKELY WITH AN AEROSOL UNLESS INTENTIONALLY AND REPEATEDLY INHALED.
GET ORGANS: CENTRAL NERVOUS SYSTEM, HEART, AND LUNGS.
ICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING HEART OR CARDIOVASCULAR DISORDERS AND RESPIRATORY CONDITIONS SUCH AS ASTHMA AND EMPHYSEMA.

mary Routes of Entry: X <--Inhalation <--Ingestion <--Absorption

rgency and First Aid Procedures:

SECTION V - HEALTH HAZARD DATA (Continued)

-Inhalation:
REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

-Eye Contact:
RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Skin Contact:
WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

-Ingestion:
GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

-Notes to Physician:
BECAUSE OF POSSIBLE DISTURBANCES OF CARDIAC RHYTHM, CATECHOLAMINE DRUGS SUCH AS EPINEPHRINE, SHOULD BE USED WITH SPECIAL CAUTION ONLY IN SITUATIONS OF EMERGENCY LIFE SUPPORT. TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITIONS.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:
IARC--> No NTP--> No OSHA--> No ACGIH--> No OTHER--> No

DICHLOROFLUOROETHANE
ORL: NON-TOXIC, > 5 GM/KG BODYWEIGHT 3.
IHL-RAT LC50: 62,000 PPM/4HR 3.
SKN-RBT LD50: >2 GM/KG 4.
CARDIAC SENSITIZATION THRESHOLD: 10,000 PPM 3.
AMES ASSAY - NOT ACTIVE 3.
MALE RATS EXPOSED BY INHALATION TO 5,000 PPM OR GREATER (6 HOURS/DAY, 5 DAYS/WEEK FOR 2 YEARS) WERE FOUND TO HAVE A SMALL BUT STATISTICALLY SIGNIFICANT NUMBER OF LATE DEVELOPING BENIGN TESTICULAR TUMORS. 3.

CARBON DIOXIDE
IHL-RAT TCLO: 10000 PPM/24(S)-30 DAY(S) CONTINUOUS 3.
IHL-HMN LCLO: 9PPM/5M 3.

SECTION VII - REACTIVITY DATA

Stability: X <--Stable <--Unstable
Conditions to Avoid:
AVOID CONTINUOUS EXPOSURE TO REACTIVE METALS AND WATER OR ALCOHOL BLENDS.

Incompatibility (Materials to Avoid):
STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE. REDUCING AGENTS SUCH AS SODIUM THIOSULFATE, ACIDS AND BASES. ALKALIES AND METALS SUCH AS ALUMINUM, METAL SALTS, METAL CARBIDE AND DESSICANTS.

Hazardous Decomposition Products:
HYDROCHLORIC AND HYDROFLUORIC ACIDS, AND CARBONYL HALIDES SUCH AS PHOSGENE. OXIDES OF CARBON.

Hazardous Polymerization: <--May Occur X <--Will Not Occur
Conditions to Avoid:
N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:
DUE TO THE NATURE OF THE AEROSOL PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING.

Waste Disposal Method(s):
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. TYPICAL DISPOSAL IS TO WRAP THE EMPTY AEROSOL CONTAINER IN SERVERAL LAYERS OF NEWSPAPER AND DISPOSE OF IN THE TRASH. AEROSOL RECYCLING PROGRAMS ARE AVAILABLE IN MANY AREAS. DO NOT PUNCTURE OR INCINERATE THIS CONTAINER.

Neutralizing Agent:
NONE KNOWN.

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:
LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE MISTS OR VAPORS.

Respiratory Protection:
A NIOSH/MSHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH TLV OR OSHA PEL OR WHERE MISTING EXISTS.

Glove Protection:
NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY.

Eye Protection:
SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

Other Protection:
A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors--> X Outdoors--> Heated--> Refrigerated-->

SECTION X - STORAGE AND HANDLING INFORMATION (Continued)

imum Temperature: 35 F Maximum Temperature: 120 F.

cautions to be Taken in Handling and Storing:
WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME.

recautions:
T OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT.

SECTION XI - REGULATORY INFORMATION

mical Name	CAS Number	Upper % Limit
HLOROFLUOROETHANE	1717-00-6	95

se ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 86 and 40 CFR part 372.

ase call 1-800-527-9919 for additional information if you are a California customer.
s MSDS is not intended for users in the state of California.

SECTION XII - REFERENCES

THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2001.
OSHA PEL.
VENDOR'S MSDS.
REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2001.
COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE,
R:CORROSIVE CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP,
:TAGLIABUE CLOSED CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY
THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF
VERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD,
):MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIANT, PNOS: PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL:
AL, HMN: HUMAN, IHL: INHALATION

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